

Form PTO/SB/08  
**INFORMATION DISCLOSURE CITATION**  
**IN AN APPLICATION**

(Use several sheets if necessary)

Docket Number (Optional)  
 GNCA-P02-007

Application Number  
 09/866,557

Applicant  
 Beach et al.

Filing Date  
 May 24, 2001

Group Art Unit  
 1637

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**U.S. PATENT DOCUMENTS**

EXAMINER	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
CA	AA 6,326,193	12/4/01	Liu et al.			

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
BA	AB WO 01/36646	5/25/01	PCT				
BB	AC WO 01/48183	7/5/01	PCT				
BC	AD WO 01/75164	10/11/01	PCT				
BD	AE WO 02/44321	6/6/02	PCT				
BE	AF WO 02/059300	8/1/02	PCT				
BF	AG WO 02/068635	9/6/02	PCT				

**OTHER DOCUMENTS**

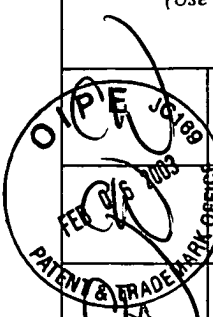
(Including Author, Title, Date, Pertinent Pages Etc.)

CA	AH	Bass, B.L. Double-Stranded RNA as a Template for Gene Silencing. <i>Cell</i> 101, 235-238 (2000).
CB	AI	Baulcombe, D.C. RNA as a target and an initiator of post-transcriptional gene silencing in transgenic plants. <i>Plant Mol. Biol.</i> 32, 79-88 (1996).
CC	AJ	Baulcombe, D.C. Gene silencing: RNA makes RNA makes no protein. <i>Curr. Biol.</i> 9, R599-R601 (1999).
CD	AK	Bohmert, K. et al. AGO1 defines a novel locus of Arabidopsis controlling leaf development. <i>EMBO J.</i> 17, 170-180 (1998).
CE	AL	Bosher, J.M. et al. RNA Interference Can Target Pre-mRNA: Consequences for Gene Expression in a Caenorhabditis elegans Operon. <i>Genetics</i> 153, 1245-1256 (Nov. 1999).
CF	AM	Bosher, J.M. & Labouesse, M. RNA interference: genetic wand and genetic watchdog. <i>Nat. Cell Biol.</i> 2, E31-36 (2000).
CG	AN	Catalanotto, C. et al. Gene silencing in worms and fungi. <i>Nature</i> 404, 245 (2000).
CH	AO	Cogoni, C. & Macino, G. Gene silencing in Neurospora crassa requires a protein homologous to RNA-dependent RNA polymerase. <i>Nature</i> 399, 166-169 (1999).
CI	AP	Cogoni, C. & Macino, G. Posttranscriptional Gene Silencing in Neurospora by a RecQ DNA Helicase. <i>Science</i> 286, 2342-2344 (1999).

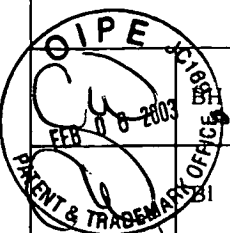
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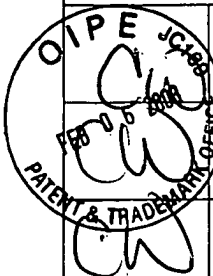
Form PTO/SB/08 <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b> (Use several sheets if necessary)		Docket Number (Optional) GNCA-P02-007	Application Number 09/866,557
		Applicant Beach et al.	
		Filing Date May 24, 2001	Group Art Unit 1637
 O/P/E FEB 07 2003 PATENT & TRADE MARK OFFICE	AQ	Connelly, J.C. & Leach, D.R. The sbcC and sbcD genes of Escherichia coli encode a nuclease involved in palindromic DNA inviability and genetic recombination. <i>Genes Cell</i> 1, 285-291 (1996).	
	AR	Dalmay, T. et al. An RNA-Dependent RNA Polymerase Gene in Arabidopsis is Required for Posttranscriptional Gene Silencing Mediated by a Transgene but Not by a Virus. <i>Cell</i> 101, 543-553 (2000).	
	AS	Di Nocera, P.P. & Dawid, I.B. Transient expression of genes introduced into cultured cells of Drosophila. <i>PNAS</i> 80, 7095-7098 (1983).	
	AT	Fagard, M. et al. AGO1, QDE-2, and RDE-1 are related proteins required for post-transcriptional gene silencing in plants, quelling in fungi, and RNA interference in animals. <i>PNAS</i> 97, 11650-11654 (10 Oct. 2000).	
	AU	Fire, A. RNA-triggered gene silencing. <i>Trends Genet.</i> 15, 358-363 (1999).	
	AV	Fire, A. et al. Potent and specific genetic interference by double-stranded RNA in Caenorhabditis elegans. <i>Nature</i> 391, 806-811 (1998).	
	AW	Fortier, E. & Belote, J.M. Temperature-Dependent Gene Silencing by an Expressed Inverted Repeat in Drosophila. <i>Genesis</i> 26, 240-244 (2000).	
	AX	Gillespie, D.E. & Berg, C.A. homeless is required for RNA localization in Drosophila oogenesis and encodes a new member of the DE-H family of RNA-dependent ATPases. <i>Genes Dev.</i> 9, 2495-2508 (1995).	
	AY	Guo, S. & Kemphues, K.J. par-1, a Gene Required for Establishing Polarity in C. elegans Embryos, Encodes a Putative Ser/Thr Kinase that is Asymmetrically Distributed. <i>Cell</i> 81, 611-620 (1995).	
	AZ	Hamilton, J.A. & Baulcombe, D.C. A Species of Small Antisense RNA in Posttranscriptional Gene Silencing in Plants. <i>Science</i> 286, 950-952 (1999).	
	BA	Hammond, S.M. et al. An RNA-directed nuclease mediates post-transcriptional gene silencing in Drosophila cells. <i>Nature</i> 404, 293-296 (2000).	
	BB	Hunter, C. Genetics: A touch of elegance with RNAi. <i>Curr. Biol.</i> 9, R440-R442 (1999).	
	BC	Jacobsen, S.E. et al. Disruption of an RNA helicase/RNase III gene in Arabidopsis causes unregulated cell division in floral meristems. <i>Development</i> 126, 5231-5243 (1999).	
BD	Jones, A.L. et al. De novo methylation and co-suppression induced by a cytoplasmically replicating plant RNA virus. <i>EMBO J.</i> 17, 6385-6393 (1998).		
BE	Jones, L. et al. RNA-DNA Interactions and DNA Methylation in Post-Transcriptional Gene Silencing. <i>Plant Cell</i> 11, 2291-2301 (Dec. 1999).		
BF	Kalejta, R.F. et al. An Integral Membrane Green Fluorescent Protein Marker, Us9-GFP, is Quantitatively Retained in Cells during Propidium Iodide-Based Cell Cycle Analysis by Flow Cytometry. <i>Exp. Cell. Res.</i> 248, 322-328 (1999).		
BG	Kennerdell, J.R. & Carthew, R.W. Use of dsRNA-Mediated Genetic Interference to Demonstrate that frizzled and frizzled 2 Act in the Wingless Pathway. <i>Cell</i> 95, 1017-1026 (1998).		

Cynthia Wilder July 2, 2004

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		Kennerdell, J.R. & Carthew, R.W. Heritable gene silencing in Drosophila using double-stranded RNA. <i>Nat. Biotechnol.</i> 8, 896-898 (2000).	
		Ketting, R.F. et al. mut-7 of <i>C. elegans</i> , Required for Transposon Silencing and RNA Interference, Is a Homolog of Werner Syndrome Helicase and RNaseD. <i>Cell</i> 99, 133-141 (1999).	
	BJ	Kramer, E.R. et al. Activation of the human anaphase-promoting complex by proteins of the CDC20/Fizzy family. <i>Curr. Biol.</i> 8, 1207-1210 (1998).	
	BK	Lam, G. & Thummel, C.S. Inducible expression of double-stranded RNA directs specific genetic interference in Drosophila. <i>Curr. Biol.</i> 10, 957-963 (2000).	
	BL	Lohmann, J.U. et al. Silencing of Developmental Genes in Hydra. <i>Dev. Biol.</i> 214, 211-214 (1999).	
	BM	Matsuda, S. et al. Molecular cloning and characterization of a novel human gene (HERNA) which encodes a putative RNA-helicase. <i>Biochim. Biophys. Acta</i> 1490, 163-169 (2000).	
	BN	Misquitta, L. & Paterson, B.M. Targeted disruption of gene function in Drosophila by RNA interference (RNA-i): A role for nautilus in embryonic somatic muscle formation. <i>PNAS</i> 96, 1451-1456 (Feb. 1999).	
	BO	Montgomery, M.K. et al. RNA as a target of double-stranded RNA-mediated genetic interference in <i>Caenorhabditis elegans</i> . <i>PNAS</i> 95, 15502-15507 (Dec. 1998).	
	BP	Montgomery, M.K. & Fire, A. Double-stranded RNA as a mediator in sequence-specific genetic silencing and co-suppression. <i>Trends Genet.</i> 14, 255-258 (1998).	
	BQ	Mourrain, P. et al. Arabidopsis SGS2 and SGS3 Genes are Required for Posttranscriptional Gene Silencing and Natural Virus Resistance. <i>Cell</i> 101, 533-542 (2000).	
	BR	Ngo, H. et al. Double-stranded RNA induces mRNA degradation in <i>Trypanosoma brucei</i> . <i>PNAS</i> 95, 14687-14692 (Dec. 1998).	
	BS	Ratcliff, F. et al. A Similarity Between Viral Defense and Gene Silencing in Plants. <i>Science</i> 276, 1558-1560 (1997).	
	BT	Sanchez Alvarado, A. & Newmark, P.A. Double-stranded RNA specifically disrupts gene expression during planarian regeneration. <i>PNAS</i> 96, 5049-5054 (April 1999).	
BU	Schneider, I. Cell lines derived from late embryonic stages of <i>Drosophila melanogaster</i> . <i>J. Embryol. Exp. Morpho.</i> 27, 353-365 (1972).		
BV	Sharp, P.A. RNAi and double-strand RNA. <i>Genes Dev.</i> 13, 139-141 (1999).		
BW	Shi, H. et al. Genetic interference in <i>Trypanosoma brucei</i> by heritable and inducible double-stranded RNA. <i>RNA</i> 6, 1069-1076 (2000).		
BX	Shuttleworth, J. & Colman, A. Antisense oligonucleotide-directed cleavage of mRNA in <i>Xenopus</i> oocytes and eggs. <i>EMBO J.</i> 7, 427-434 (1988).		

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		Filing Date May 24, 2001	Group Art Unit 1637
	BY	Sijen, T. & Kooter, J.M. Post-transcriptional gene-silencing: RNAs on the attack or on the defense? <i>Bioessays</i> 22, 520-531 (2000).	
	BZ	Smardon, A. et al. EGO-I is related to RNA-directed RNA polymerase and functions in germ-line development and RNA interference in <i>C. elegans</i> . <i>Curr. Biol.</i> 10, 169-178 (2000).	
	CA	Smith, N.A. et al. Total silencing by intron-spliced hairpin RNAs. <i>Nature</i> 407, 319-320 (2000).	
	CB	Tabara, H. et al. RNAi in <i>C. elegans</i> : Soaking in the Genome Sequence. <i>Science</i> 282, 430-432 (1998).	
	CC	Tabara, H. et al. The rde-1 Gene, RNA Interference, and Transposon Silencing in <i>C. elegans</i> . <i>Cell</i> 99, 123-132 (1999).	
	CD	Tavernarakis, N. et al. Heritable and inducible genetic interference by double-stranded RNA encoded by transgenes. <i>Nat. Genet.</i> 24, 180-183 (2000).	
	CE	Timmons, L. & Fire, A. Specific interference by ingested dsRNA. <i>Nature</i> 395, 854 (1998).	
	CF	Tuschl, T. et al. Targeted mRNA degradation by double-stranded RNA in vitro. <i>Genes Dev.</i> 13, 3191-3197 (1999).	
	CG	Vaucheret, H. et al. Transgene-induced gene silencing in plants. <i>Plant J.</i> 16, 651-659 (1998).	
	CH	Wassenegger, M. & Pelissier, T. A model for RNA-mediated gene silencing in higher plants. <i>Plant Mol. Biol.</i> 37, 349-362 (1998).	
	CI	Waterhouse, P.M. et al. Virus resistance and gene silencing in plants can be induced by simultaneous expression of sense and antisense RNA. <i>PNAS</i> 95, 13959-13964 (Nov. 1998).	
	CJ	Wianny, F. & Zernicka-Goetz, M. Specific interference with gene function by double-stranded RNA in early mouse development. <i>Nature Cell Biol.</i> 2, 70-75 (2000).	
	CK	Wolf, D.A. & Jackson, P.K. Cell cycle: Oiling the gears of anaphase. <i>Curr. Biol.</i> 8, R636-R639 (1998).	
	CL	Zamore, P.D. et al. RNAi: Double-Stranded RNA Directs the ATP-Dependent Cleavage of mRNA at 21 to 23 Nucleotide Intervals. <i>Cell</i> 101, 25-33 (2000).	
EXAMINER <i>Arthur Wilder</i>		DATE CONSIDERED <i>July 2, 2004</i>	
EXAMINER Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.			

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